



NSAI
Standards

Irish Standard
I.S. EN ISO 19490:2017

Dentistry - Sinus membrane elevator (ISO 19490:2017)

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I.S. EN ISO 19490:2017

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National Foreword

I.S. EN ISO 19490:2017 is the adopted Irish version of the European Document EN ISO 19490:2017, Dentistry - Sinus membrane elevator (ISO 19490:2017)

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 19490

June 2017

ICS 11.060.25

English Version

Dentistry - Sinus membrane elevator (ISO 19490:2017)

Médecine bucco-dentaire - Sinus membrane éleveurs
(ISO 19490:2017)

Zahnheilkunde - Sinusmembranelevator (ISO
19490:2017)

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EN ISO 19490:2017 (E)

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European foreword

This document (EN ISO 19490:2017) has been prepared by Technical Committee ISO/TC 106 “Dentistry” in collaboration with Technical Committee CEN/TC 55 “Dentistry” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2017, and conflicting national standards shall be withdrawn at the latest by December 2017.

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The text of ISO 19490:2017 has been approved by CEN as EN ISO 19490:2017 without any modification.

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INTERNATIONAL STANDARD

**ISO
19490**

First edition
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Dentistry — Sinus membrane elevator

Médecine bucco-dentaire — Sinus membrane éleveurs



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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee 4, *Dental instruments*.

Introduction

A sinus membrane elevator is a dental instrument used during the placement of dental implants for sinus floor lifting to augment the vertical bone thickness. These types of sinus membrane elevator are addressed in this document.

Dentistry — Sinus membrane elevator

1 Scope

This document specifies requirements and their test methods for sinus membrane elevators used during the placement of dental implants for sinus floor lifting. It also specifies the requirements for their marking and labelling.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1942, *Dentistry — Vocabulary*

ISO 6507-1, *Metallic materials — Vickers hardness test — Part 1: Test method*

ISO 6508-1, *Metallic materials — Rockwell hardness test — Part 1: Test method*

ISO 13504:2012, *Dentistry — General requirements for instruments and related accessories used in dental implant placement and treatment*

ISO 15087-1, *Dental elevators — Part 1: General requirements*

ISO 16443, *Dentistry — Vocabulary for dental implants systems and related procedure*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942, ISO 13504:2012 and ISO 16443 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

sinus membrane elevator

handheld dental instrument designed for lifting or displacing the sinus membrane (floor) by a lateral (external) or vertical approach (crestal) of the maxillary sinus in order to enable bone augmentation for insertion of an implant

Note 1 to entry: A sinus membrane elevator consists of a *working tip* (3.3) and a shank, which is connected to a handle. Instruments may be double-ended.

3.2

working end

part of the sinus membrane elevator consisting of a *working tip* (3.3) and a shank connected to the handle

3.3

working tip

active part of the *working end* (3.2) which will be first to engage bone and the sinus membrane

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